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INDEX TO AMERICAN BOTANICAL LITERATURE

(1910-1911)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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[Alcocer, G.] El Floripondio. *Datura arborea*, Linn. An. Inst. Med. Nac. 11: 421-442. 1911. [Illust.]

Alsberg, C. L. Mechanisms of cell activity. Science 11. 34: 97-105. 28 Jl 1911.

Arthur, J. C. New species of *Uredineae*—VIII. Bull. Torrey Club 38: 369-378. 21 Au 1911.

Includes descriptions of new species in *Puccinia* (6) and *Uromyces* (5).

Bartram, E. B. Distribution of *Meibomia* and *Lespedeza* in southeastern Pennsylvania. Bartonica 3: 7-11. Je 1911.

Berry, E. W. Latin diagnosis of fossil plants. Science 11. 34: 118, 119. 28 Jl 1911.

Berry, E. W. A study of the tertiary floras of the Atlantic and Gulf coastal plain. Proc. Am. Philos. Soc. 50: 301-315. f. 1-4. 26 Je 1911.

B[lackader], E. H. General excursion to Chelsea. Ottawa Nat. 25: 86-88. 17 Au 1911.

Includes a list of ferns and flowering plants observed.

Britton, N. L. A second species of *Hernandia* in Jamaica. Torreyia 11: 174. 14 Au 1911.

Hernandia catalpifolia Britton & Harris sp. nov.

Brown, M. A. The influence of air-currents on transpiration. Proc. Iowa Acad. Sci. 17: 13-15. 1910.

- Brown, O. H.** *Galium hispidulum* Michx. in Cape May Co., N. J. *Bartonia* 3: 26, 27. Je 1911.
- Brown, S.** *Helonias bullata* Linnaeus. *Bartonia* 3: 1-6. Je 1911. [Illust.]
- Bruderlin, K.** A study of the lodgepole-pine forests of Boulder Park (Tolland, Colorado). *Univ. Colorado Stud.* 7: 265-275. f. 1. Je 1911.
- Buchanan, R. E.** Morphology of the genus *Cephalosporium*, with description of a new species and a variety. *Mycologia* 3: 170-174. pl. 50, 51. 27 Jl 1911.
- Burns, G. P.** A botanical survey of the Huron River valley—VIII. Edaphic conditions in peat bogs of southern Michigan. *Bot. Gaz.* 52: 105-125. f. 1-8. 18 Au 1911.
- Campbell, D. H.** The embryo-sac of *Pandanus*. *Ann. Bot.* 25: 773-789. pl. 59, 60 + f. 1, 2. Jl 1911.
- Chamberlain, C. J.** The adult cycad trunk. *Bot. Gaz.* 52: 81-104. f. 1-20. 18 Au 1911.
- Chrysler, M. A.** Is *Ophioglossum palmatum* anomalous? *Bot. Gaz.* 52: 151-153. 18 Au 1911.
- Clark, E. D., & Kantor, J. L.** Toxicological experiments with some of the higher fungi. *Mycologia* 3: 175-188. pl. 52 + f. 1. 27 Jl 1911.
- Cockerell, T. D. A.** Descriptions and records of bees. *Ann. & Mag. Nat. Hist.* 8: 283-290. Au 1911.
Contains a note on method of pollen transportation.
- Cockerell, T. D. A.** A list of the bees of the genus *Perdita* Smith. *Psyche* 18: 134-143. Au 1911.
Gives list of plants visited by various species of bees.
- Cockerell, T. D. A.** The fauna of Boulder County, Colorado. *Univ. Colorado Stud.* 8: 227-256. f. 1, 2. Je 1911.
Includes keys and notes on Colorado *Myxomycetes*.
- Collins, F. S.** Notes on algae—X. *Rhodora* 13: 184-187. 9 Au 1911.
Includes *Chantransia Dufourii* and *Dermocarpa Vickersiae* spp. nov.
- Conard, H. S.** Spore formation in *Lycogala exiguum* Morg. *Proc. Iowa Acad. Sci.* 17: 83, 84. 1910.
- Copeland, E. B.** Papuan ferns collected by the Reverend Copland King. *Philip. Jour. Sci.* 6: (Bot.) 65-92. Je 1911.
Includes descriptions of 3 new genera and 41 new species.
- Decker, H.** Mendel's Law as related to heredity and breeding—I. *Horticulture* 13: 635. 29 Ap 1911;—II. *Horticulture* 13: 669. 6 My 1911;—III. *Horticulture* 13: 705, 706. 13 My 1911;—IV

- Horticulture **13**: 741, 742. 20 My 1911;—V. Horticulture **13**: 780. 27 My 1911. [Illust.]
Translated from *Cosmos* by G. Thommen.
- Faull, J. H.** The cytology of the *Laboulbeniales*. *Ann. Bot.* **25**: 649–654. Jl 1911.
- Fernald, M. L.** Notes from the phaenogamic herbarium of the New England Botanical Club—II. *Rhodora* **13**: 177–183. 9 Au 1911.
- Fernald, M. L., & Wiegand, K. M.** *Epilobium palustre* L. var. *longirameum*, n. var. *Rhodora* **13**: 188. 9 Au 1911.
- Fobe, F.** *Pilocereus scoparius* Poselg. *Monats. Kakteenk.* **21**: 104–106. 15 Jl 1911.
- Fredholm, A.** Maize or corn blight. *Proc. Agric. Soc. Trinidad* **11**: 354, 355. Jl 1911.
- Gates, R. R.** Early historico-botanical records of the *Oenotheras*. *Proc. Iowa Acad. Sci.* **17**: 85–124. *pl.* 1–6. 1910.
- Groth, H. A.** The F_1 heredity of size, shape, and number in tomato leaves. Part I. Seedlings. *New Jersey Agric. Exp. Sta. Bull.* 238: 3–38. *pl.* 1–9. 11 My 1911; Part II. Mature plants. *New Jersey Agric. Exp. Sta. Bull.* 239: 3–12. *pl.* 1–9. 24 My 1911.
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- Harris, J. A.** Teratological fruits of *Ptelea*. *Bull. Torrey Club* **38**: 385–387. *pl.* 17. 21 Au 1911.
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- Hedges, F.** *Sphaeropsis tumefaciens*, nov. sp., the cause of the lime and orange knot. *Phytopathology* **1**: 63–65. *pl.* 15. Ap 1911.
- Hemenway, A. F.** *Cryptomeria japonica*. *Bot. Gaz.* **52**: 153, 154. *f.* 1–4. 18 Au 1911.
- Hitchcock, A. S.** Type of the genus *Panicum*. *Rhodora* **13**: 173–176. 9 Au 1911.
- Höhnelt, F. von, & Weese, J.** Zur Synonymie der Nectriaceen. *Ann. Myc.* **9**: 422–424. 10 Au 1911.
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- Hus, H.** Jean Marchant; an eighteenth century mutationist. *Am. Nat.* **45**: 493–506. *f.* 1, 2. Au 1911.
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A native of the tropical Andes region.
- Jones, L. R.** The relations of plant pathology to the other branches of botanical science. *Phytopathology* **1**: 39–44. Ap 1911.

- Kneucker, A.** Bemerkungen zu den "Carices exsiccatae." XIII. Allgem. Bot. Zeits. **17**: 118-121. Au 1911.
- Knowlton, F. H.** Description of two new fossil figs from Wyoming and Montana. Bull. Torrey Club **38**: 389-392. 21 Au 1911. [Illust.] *Ficus Ceratops* and *F. Russellii* spp. nov.
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- Krieger, L. C. C.** Note on the reputed poisonous properties of *Coprinus comatus*. Mycologia **3**: 200-202. 27 Jl 1911.
- La Wall, C. H.** Botanical notes from Longport, New Jersey. Bartonia **3**: 12-21. Je 1911.
- Long, B.** Certain species becoming well established at Ashbourne and elsewhere near Philadelphia. Bartonia **3**: 22-25. Je 1911.
- Maire, R.** Remarques sur quelques Hypocréacées. Ann. Myc. **9**: 315-325. pl. 16. 10 Au 1911.
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A note on *Echinocactus myriostigma*.
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- Murrill, W. A.** The *Agaricaceae* of tropical North America—III. Mycologia **3**: 189-199. 27 Jl 1911.
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- Osterhout, W. J. V.** The permeability of living cells to salts in pure and balanced solutions. Science II. **34**: 187-189. 11 Au 1911.
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A tropical American plant.

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- Taylor, N.** Local flora notes—VIII. Torreya 11: 33-36. 14 F 1911; —IX. Torreya 11: 170-174. 14 Au 1911; —X. Torreya 11: 186-189. 12 S 1911.
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